**Unit 5 Map (Cell Division)**

Osbourn Park, Biology 1, 2014-2015

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| **Topic** | **Specific Learning Target** | **DBA Score (%)** | **Test Score** (%) |
| 1. Mitosis | A. I can identify the parts of a chromosome. |  |  |
| B. I can explain why DNA copies and coils up into a chromosome before cell division. |
| C. I can explain why cells must divide when they get too large. |
| D. I can identify the stages in the normal life of the cell (aka the cell cycle). |
| E. I can explain and draw what happens in each stage of cell division (aka mitosis)—prophase, metaphase, anaphase, and telophase. |
| F. I can compare and contrast the division of the cytoplasm (aka cytokinesis) in plant vs. animal cells. |
| G. I can explain how mitosis is different from cell division in prokaryotic cells (aka binary fission). |
| 2. Meiosis | H. I can compare and contrast sexual and asexual reproduction. |  |  |
| I. I can explain and draw what happens in each stage of Meiosis I. |
| J. I can explain and draw what happens in each stage of Meiosis II. |
| K. I can describe how meiosis creates egg and sperm cells in humans. |
| 3. Comparing Mitosis and Meiosis | L. I can compare the purpose of mitosis vs. meiosis. |  |  |
| M. I can compare the process of mitosis vs. meiosis. |
| N. I can compare the result of mitosis vs. meiosis. |